

MR Form 3
(Revised 1984)

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FEB 27 1985

DIVISION OF OIL
GAS & MINING

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year January 1, 1984
to Month/Year January 1, 1985

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Rio Algom Mining Corp. MINE NAME: Lisbon Mine and Mill
ADDRESS: La Sal Route
Moab, Utah 84532
PERMIT NUMBER AND DATE OF PERMIT: ACT/037/001
REPRESENTATIVE: M. D. Lawton, President & Manager
15, 20, 21, 22
SECTION(S): 23, 26, 27, 28 TOWNSHIP(S): T29S RANGE(S): R24E SLBM
MINERAL(S) MINED: Uranium
STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: State Lease No. 20985
SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: Mineral Patent Nos. 43-84-0005,
43-84-0006, 43-84-0011, 43-84-0012

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

<u>Disturbance</u>	<u>Acreage</u>
Pit	<u>N/A</u>
Roads	<u> </u>
Facilities	<u> </u>
Waste Dumps	<u> </u>
Other	<u> </u>

(b) Tabulation of acreage affected to date (by years).

<u>Date by Year</u>	<u>Acreage (Total)</u>
1975	<u> </u>
1976	<u> </u>
1977	<u> </u>
1978	<u> </u>
1979	<u> </u>
1980	<u> </u>
1981	<u> </u>
1982	<u> </u>
1983	<u> </u>

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	<u>Area</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>etc.</u>
Acreage of Area	<u>N/A</u>			
Depth of Topsoil Removal (inches)	<u> </u>			
Depth of Topsoil Replacement (inches)*	<u> </u>			
Estimate of Topsoil Volume Salvaged (yd ³ or ac ft)	<u> </u>			
Volume Actually Salvaged (yd ³ or ac ft)	<u> </u>			
Volume Required for Reclamation (yd ³ or ac ft)	<u> </u>			
Surplus or Deficit Volume (yd ³ or ac ft)	<u> </u>			
Storage Status (short- or long-term)	<u> </u>			

Soil Tabulation Chart (continued)

N/A

Area Affected (in mining sequence)	Area			
	1	2	3	etc.
N/A				

Storage Location

Area Where Soil Has Been Used (if not stored)

Running Total (all stockpiles) (yo³ or ac ft)

Short-term

Long-term

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

Area	Date	Acreage
From Underground Mine	1984	
to waste pile		18,379 Tons

(e) Tabulation of quantity of commodity mined.

	Commodity	Tonnage	(Mi Vida Mine - sub-lease)
(Mined)	Uranium	42,225	
(Milled)	Own ore, purchased & toll milled for others	85,161 tons of ore (Lisbon)	
		227,105 tons	

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to: N/A

1. Buildings and support facilities.

2. Roads.

3. Diversion ditches, collector ditches, interceptor ditches, etc.

4. Culverts.

5. Sediment ponds, containment ponds.

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).

7. Topsoil stockpiles.

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to: N/A

1. Pit stability problems.

2. Subsidence.

3. Accidental water discharge, dam failure, etc.
N/A

4. Slumping, sliding or erosion.
N/A

5. Revegetation problem areas.
N/A

6. Existence and location of unsuitable (toxic) overburden.
N/A

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

<u>Area</u>	<u>Acreage</u>
Backfilling mine waste onto upper tailings pond	18,000 tons waste spread over approximately 2 acres

2. Topsoiled areas.

<u>Area</u>	<u>Acreage</u>
N/A	

3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
N/A	

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
N/A	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975	
1976	
1977	
1978	
1979	
1980	
1981	
1982	20
1983	
1984	

(c) Description of the reclamation procedures used during the report period, including: N/A

1. Average depth of topsoil applied.

2. Type of seed (species) used for seeding during the report period.

3. Date of seeding during the report period.

Spring _____

Fall _____

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

6. Type and rate of fertilizer applied.

7. Type and rate of mulch applied.

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

10. Soil analysis results.

(d) Description of results of previous revegetation efforts, including:
(This should be done as applicable.) N/A

1. Types (species) of seed that have germinated and are growing.

2. Types (species) of seed that are not growing successfully.

3. Areas experiencing problems with weeds and weed types.

4. Significant erosional problems.

5. Areas of unsuitable overburden on the surface as related to revegetation failure.

6. Procedures used or proposed to correct these problems.

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>

8. Results of soil analysis.

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading		
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond			

Deposited in escrow fund to date:

Acct. 037/001 \$515,535
Acct. 037/001A \$ 20,312

Increased disturbance, if any:

N/A

Increased Bond Amount (attached reclamation estimate).

B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
- (b) Other special conditions (status).

RIO ALGOM MINING CORP.

La Sal Route
MOAB, UTAH 84532

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Phone: (801) 259-5904

February 25, 1985

RECEIVED

FEB 27 1985

DIVISION OF OIL
GAS & MINING

State of Utah
Natural Resources
Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. R. Daniels

Re: Annual Operations Report
Lisbon Mine Operation ACT/037/001

Dear Mr. Daniels:

Please find enclosed the completed MR Form 3 and applicable map.

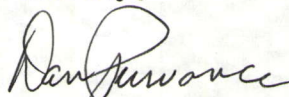
Rio Algom Mining Corp. operated the Lisbon uranium mine/mill operations and the Mi Vida Mine (sub-lease basis, Minerals West, Inc.) during 1984.

No major construction or land disturbance took place during the year.

A small area on our upper tailings pond was backfilled with mine waste (less than 3 acres).

If any additional information is required, please advise.

Sincerely,



Dan Purvance
Mine Engineer

DP:pa

Enclosures